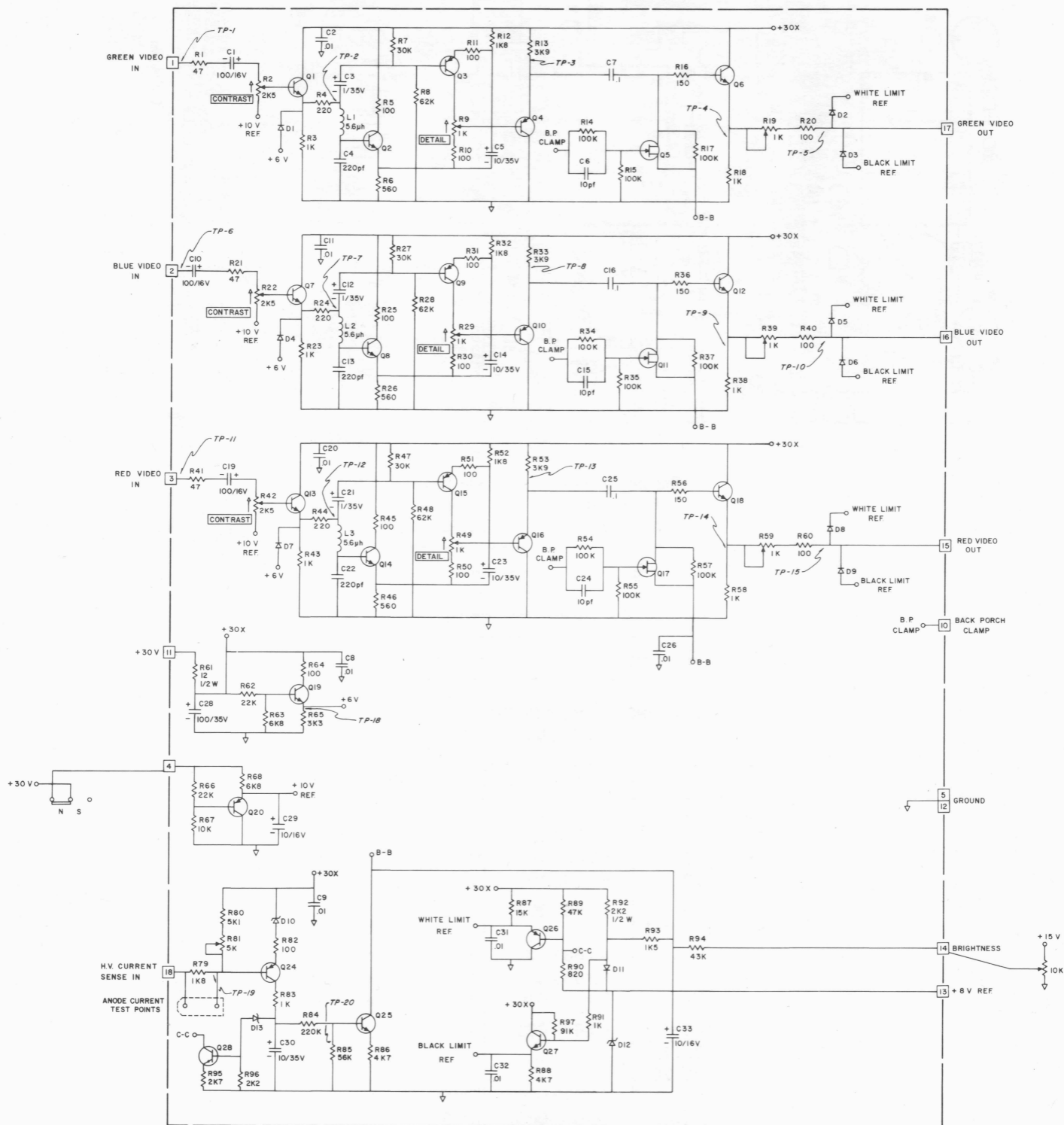
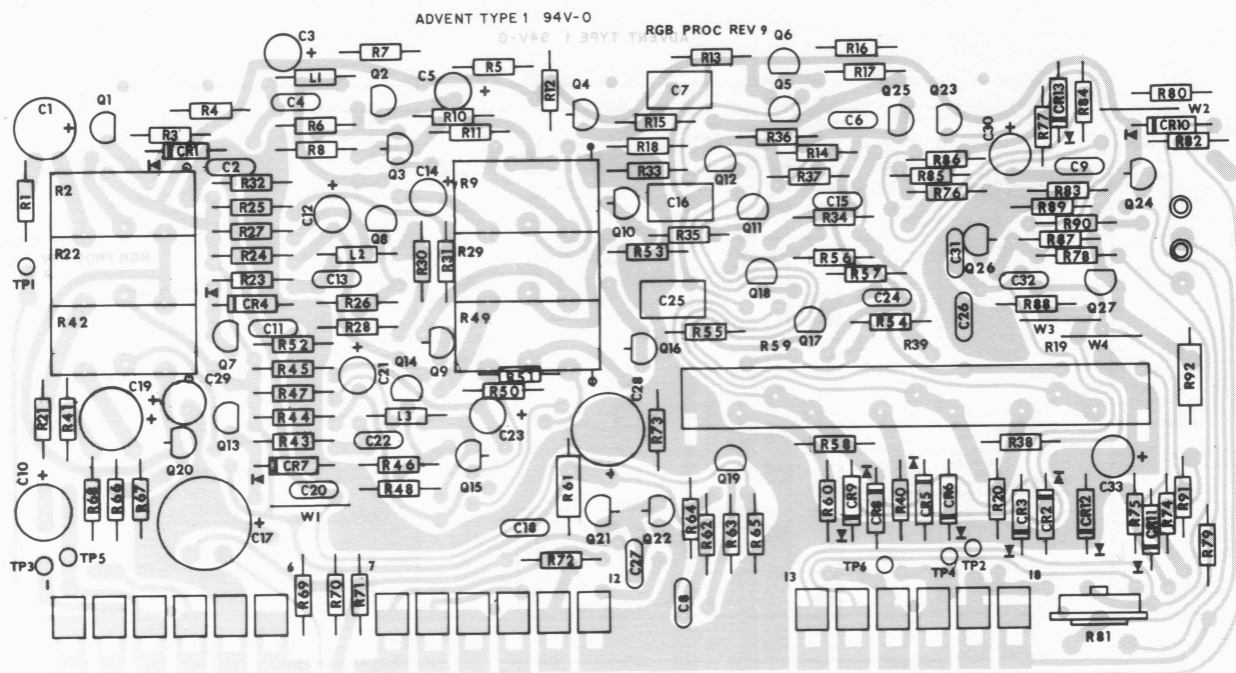


# **10-990-267 RGB PROCESSOR BOARD ASSEMBLY 1300**

No.	Advent Part No.	Description
C6, 15, 24	60-632-133	10 pf, 50V, Z5P
C3, 12, 21	60-632-191	1 MFD, 35V, Tantalum
C5, 14, 23	60-632-192	10 MFD, 35V, Tantalum
C4, 13, 22	60-632-199	220 pf, 50V, 5%, Z5P
D1, 2, 3, 4, 5, 6, 7, 8, 9, 11	60-663-003	1N914
D10	60-663-023	1N5233A, Zener, 6V
D12	60-663-039	1N5236A, Zener, 7.5V
Q1, 2, 6, 7, 8, 12, 13, 14, 18, 19, 25, 27	60-673-006	TIS97
Q5, 11, 17	60-673-030	TIS74
Q3, 4, 9, 10, 15, 16, 20, 24, 26	60-674-003	2N5087
R2, 22, 42	50-714-080	2.5K Linear
R9, 29, 49	50-714-081	1K Linear 10%-5% Tol.
R19, 39, 59	50-714-082	Between Sections 1K Linear





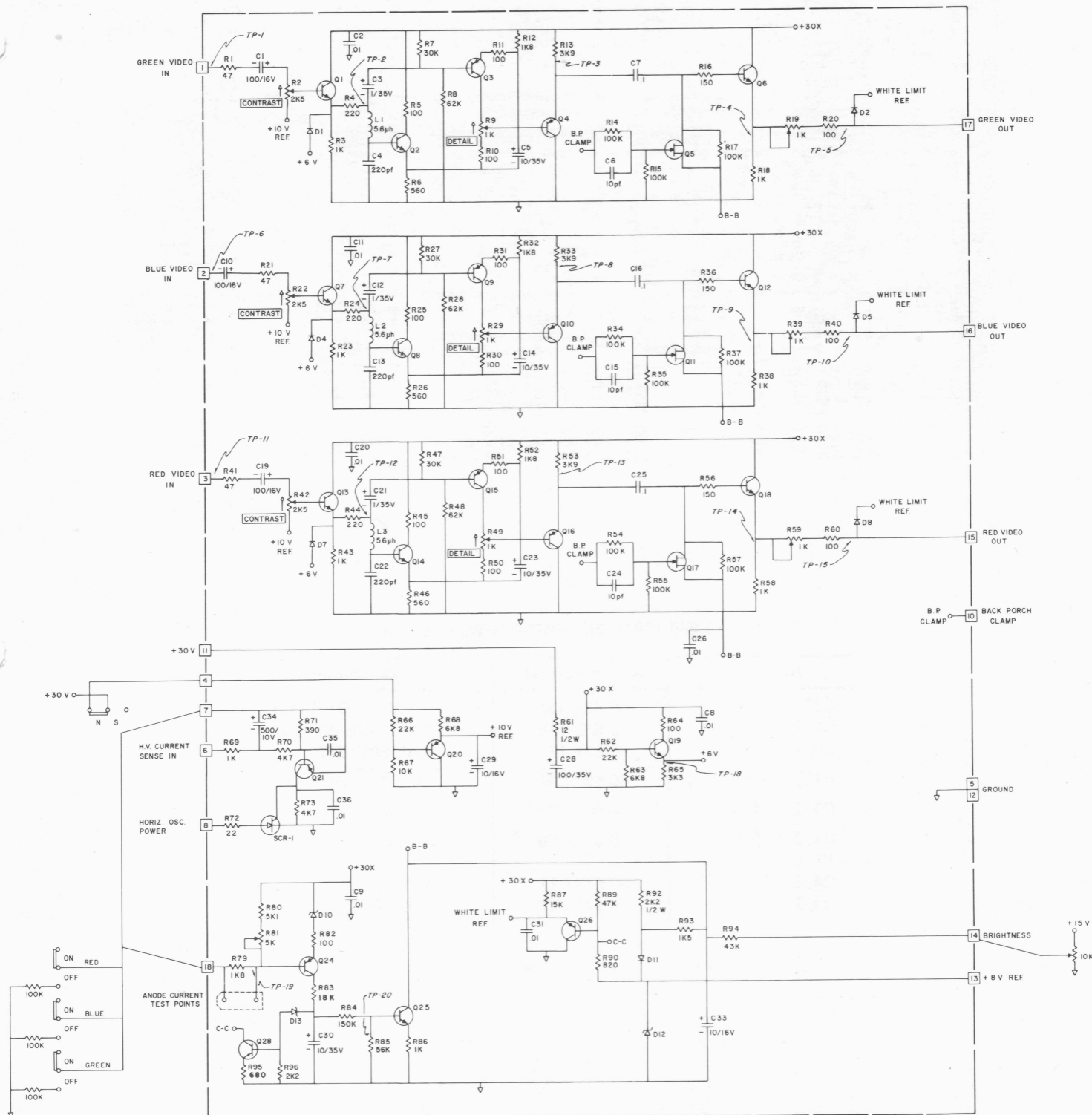
Schematic and Parts List Designation	On Board Legend Designation
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**Rev 9**

Q28	Q23
R93	R74
R94	R75
R95	R76
R96	R77
SCR-1	Q22

# 10-990-267 RGB PROCESSOR BOARD ASSEMBLY 1300

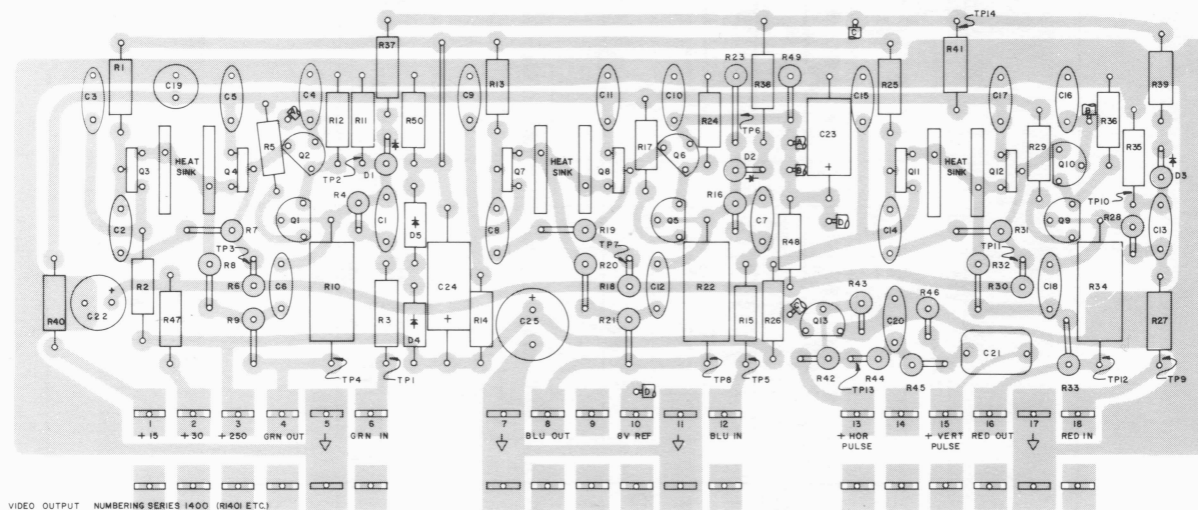
No.	Advent Part No.	Description
C6, 15, 24	60-632-133	10 pf, 50V, Z5P
C3, 12, 21	60-632-191	1 MFD, 35V, Tantalum
C5, 14, 23	60-632-192	10 MFD, 35V, Tantalum
C4, 13, 22	60-632-199	220 pf, 50V, 5%, Z5P
D1, 2, 4, 5, 7, 8, 11	60-663-003	1N914
D10	60-663-023	1N5233A, Zener, 6V
D12	60-663-039	1N5236A, Zener, 7.5V
D13	60-663-049	1N5242, Zener, 12V
Q1, 2, 6, 7, 8, 12, 13, 14, 18, 19, 25, 28	60-673-006	TIS97
Q5, 11, 17	60-673-030	TIS74
Q3, 4, 9, 10, 15, 16, 20, 21, 24, 26	60-674-003	2N5087
SCR-1	60-663-034	Motorola MCR-103
R2, 22, 42	50-714-080	2.5K Linear
R9, 29, 49	50-714-081	1K Linear 10%-5% Tol. Between Sections
R19, 39, 59	50-714-082	1K Linear



RGB PROCESSOR NUMBERING SERIES 1300 (R130, ETC.)  
 ALL RESISTORS 1/4 WATT-10% UNLESS OTHERWISE NOTED  
 ALL CAPACITORS IN MFD. UNLESS OTHERWISE NOTED  
 HEAVY DASHED LINE INDICATES CIRCUIT BOARD AREA  
 REV 9

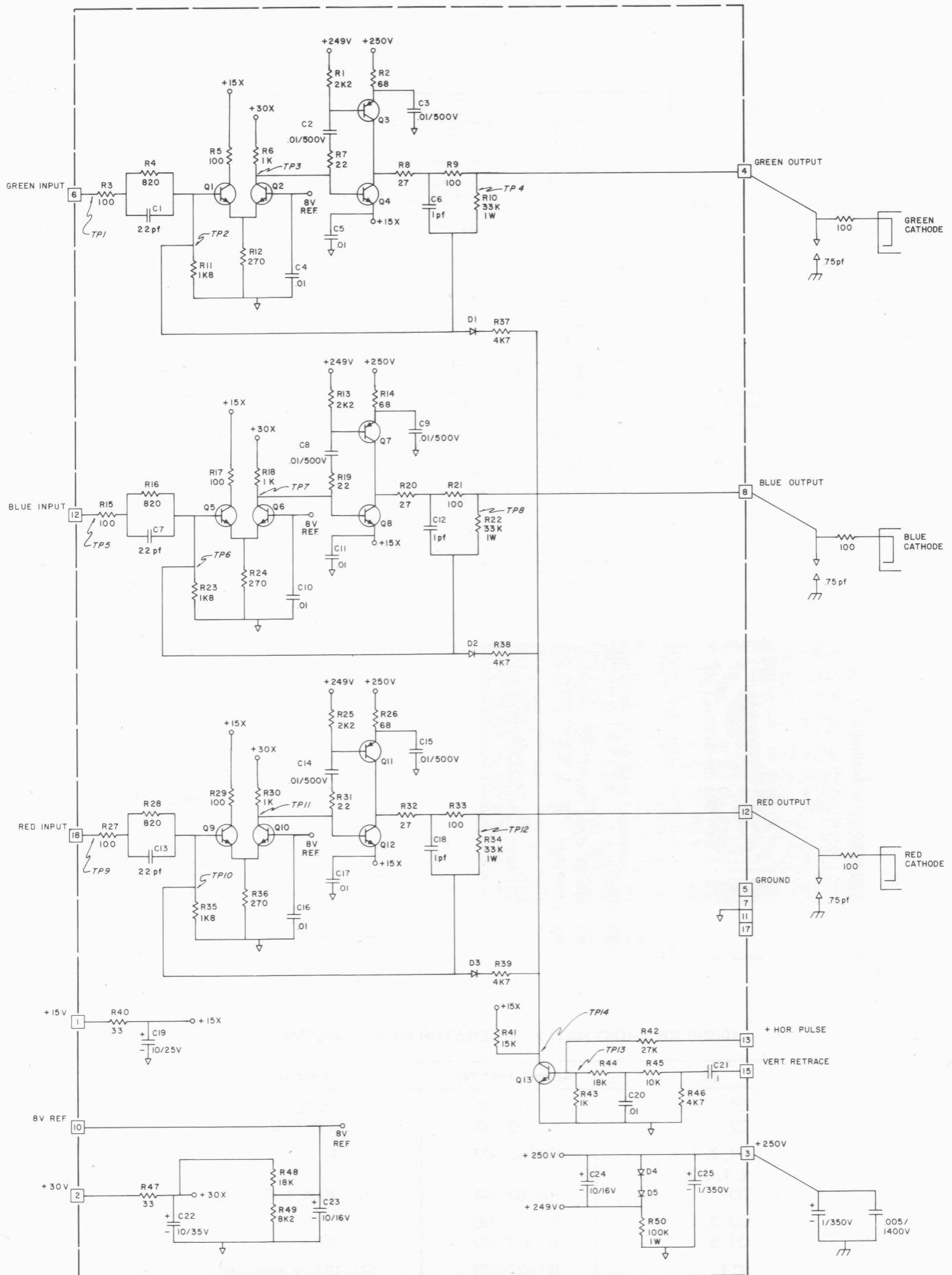
Rev 9



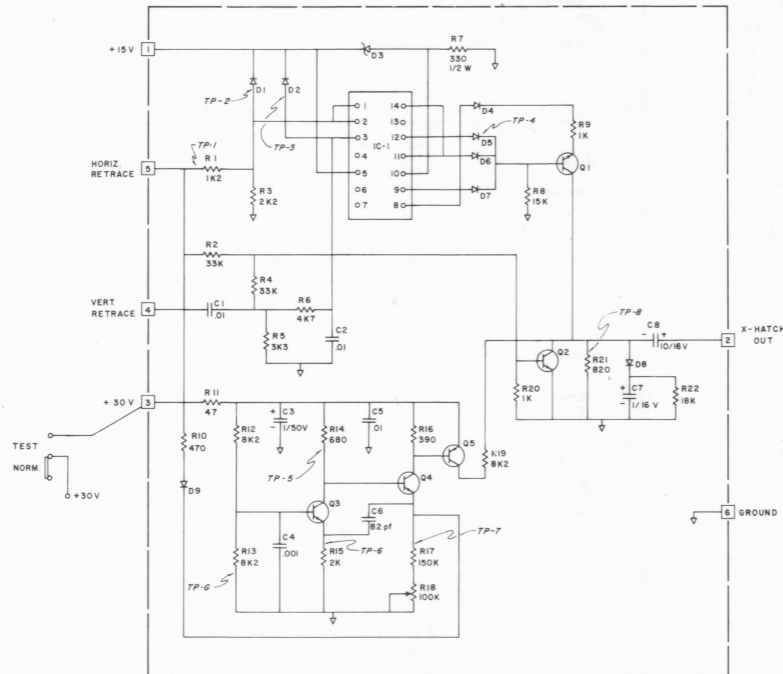


10-990-279 VIDEO OUTPUT BOARD 1400

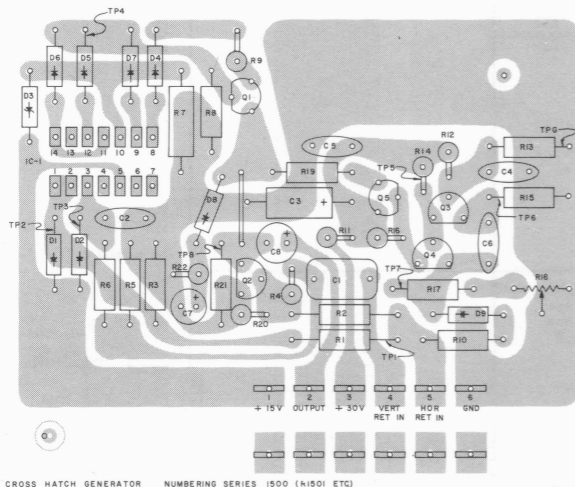
No.	Advent Part No.	Description
C20	60-632-138	.01 MFD, 50V, Z5P
C1, 7, 13	60-632-144	22 pf, 50V, 5%, NPO
C6, 12, 18	60-632-177	1 pf, 50V, Z5P
R10, 22, 34	60-651-094	33K, 1W, 5%
D1, 2, 3, 4, 5	60-663-003	IN914
Q1, 2, 5, 6, 9, 10, 13	60-673-006	TIS97
Q4, 8, 12	60-673-021	MPS U10
Q3, 7, 11	60-673-022	MPS U60



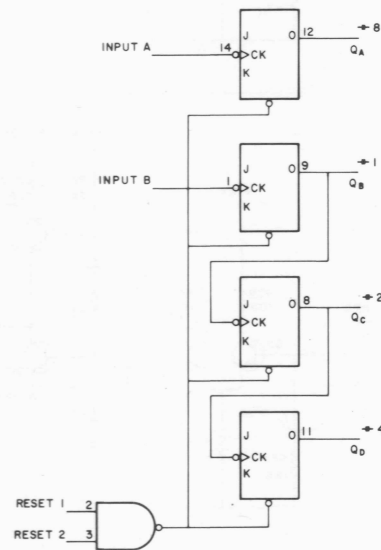
VIDEO OUTPUT NUMBERING SERIES 1400 (R1401, ETC.)  
 ALL RESISTORS 1/4 WATT-10% UNLESS OTHERWISE NOTED  
 ALL CAPACITORS IN MFD UNLESS OTHERWISE NOTED  
 HEAVY DASHED LINE INDICATES CIRCUIT BOARD AREA



CROSS-HATCH GENERATOR NUMBERING SERIES 1500 (R1501, ETC.)  
ALL RESISTORS 1/4 WATT-10% UNLESS OTHERWISE NOTED  
ALL CAPACITORS IN MFD. UNLESS OTHERWISE NOTED  
HEAVY DASHED LINE INDICATES CIRCUIT BOARD AREA



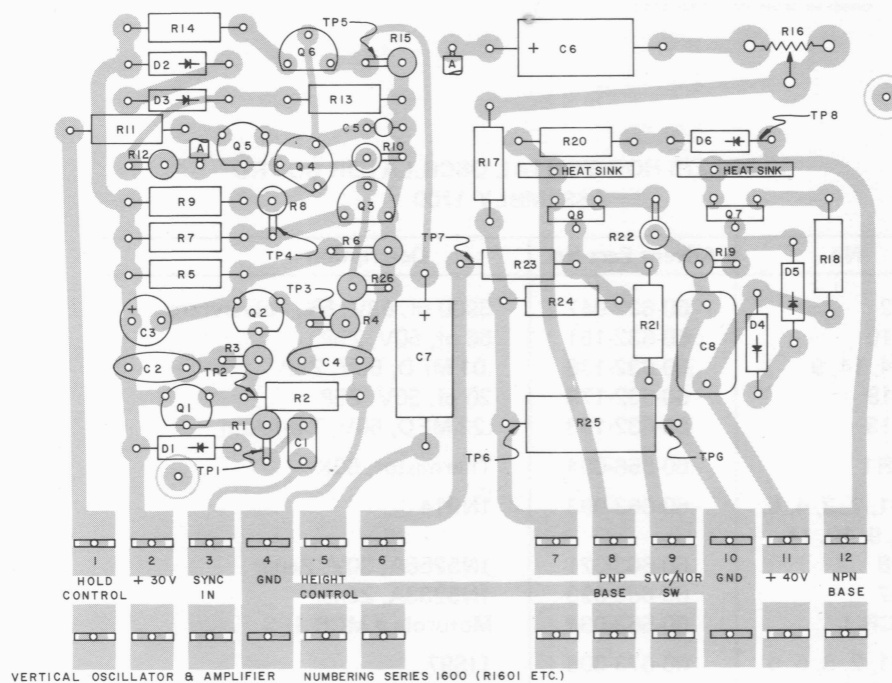
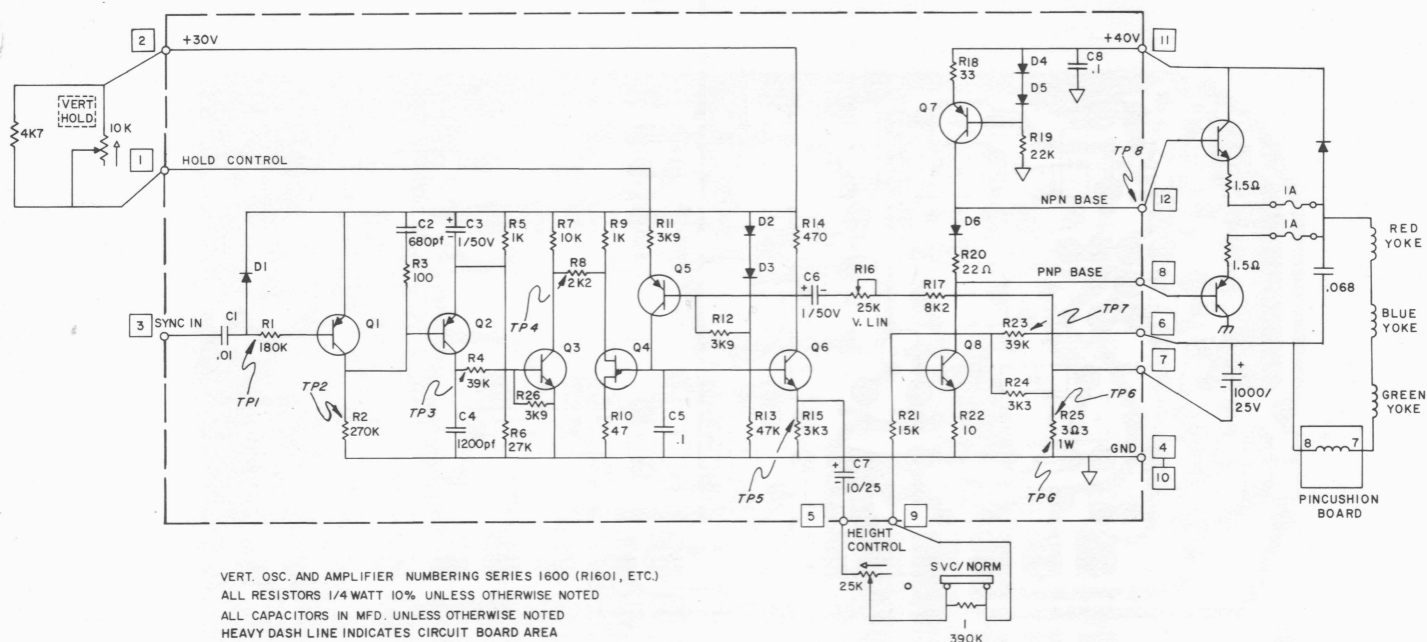
CROSS HATCH GENERATOR NUMBERING SERIES 1500 (R1501 ETC.)



IC1501

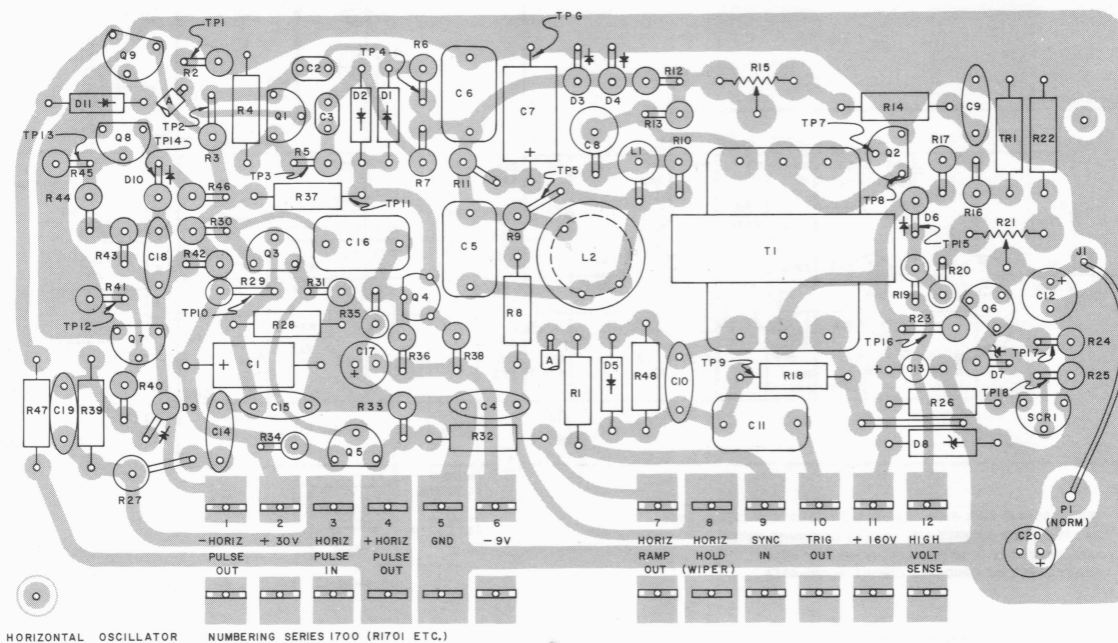
### 10-990-308 CROSS-HATCH GENERATOR BOARD ASSEMBLY 1500

No.	Advent Part No.	Description
C6	60-632-197	82 pf, 50V, 5%, NPO
C2	60-632-138	.01 MFD, 50V, Z5P
D1, 2, 4, 5, 6, 7, 8, 9	60-663-003	1N914
D3	60-663-043	IN5230A, 4.7V, Zener
Q2, 3, 4	60-673-006	TIS97
Q1, 5	60-674-003	2N5087
IC 1	60-677-020	SN7493, or equivalent



### 10-990-273 VERTICAL OSCILLATOR AND AMPLIFIER BOARD ASSEMBLY 1600

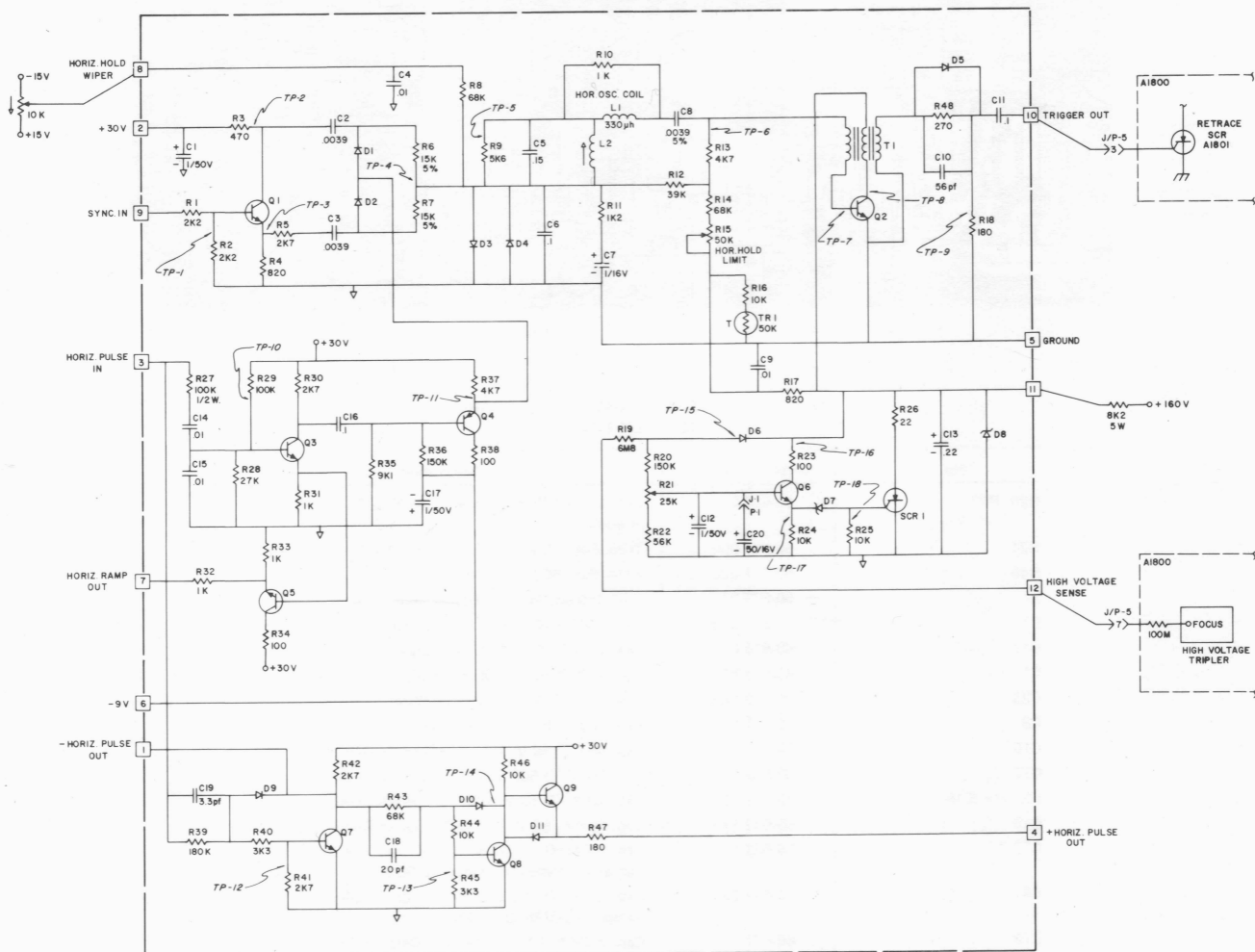
No.	Advent Part No.	Description	No.	Advent Part No.	Description
C2	60-632-139	680 pf, 50V, NPO	Q3, 6	60-673-006	TIS97
C4	60-632-130	1200 pf, 50V, NPO	Q4	60-673-014	2N4852 Unijunction
D1-6	60-663-003	1N914	Q7	60-673-016	MPS U56
Q1, 2, 5	60-674-003	2N5087	Q8	60-673-015	MPS U06



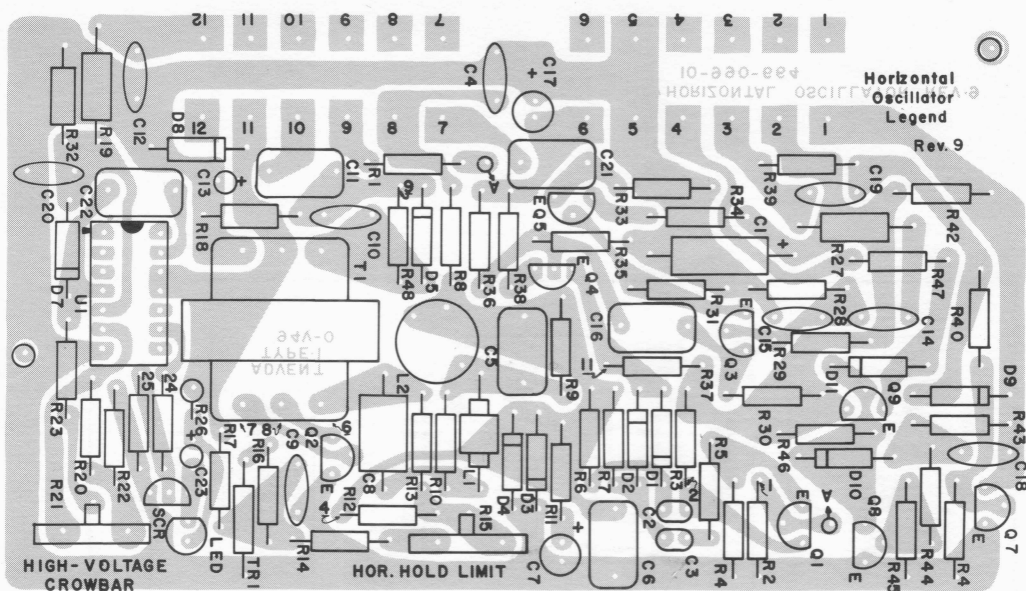
**10-990-275 HORIZONTAL OSCILLATOR BOARD  
ASSEMBLY 1700**

No.	Advent Part No.	Description
C2	60-632-047	3900 pf, 63V, 5%, Polystyrene
C10	60-632-151	56 pf, 50V, Z5P
C4, 14, 9	60-632-138	.01 MFD, 50V, Z5P
C18	60-632-173	20 pf, 50V, Z5P
C13	60-632-183	.22 MFD, 50V, Tantalum
TR1	60-656-004	Thermistor, 50K
D1, 2, 3, 4, 5, 6, 9, 10, 11	60-663-003	1N914
D8	60-663-021	1N5256A, 30V, Zener
D7	60-663-023	1N5233A, Zener
SCR 1	60-663-034	Motorola # MCR 103
Q1, 2, 3, 5, 6, 7, 8, 9	60-673-006	TIS97
Q4	60-674-003	2N5087
T1	80-000-26	Horizontal Drive Transformer
L1	80-000-39	Hor. Osc. Adjust Coil



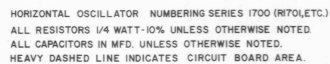


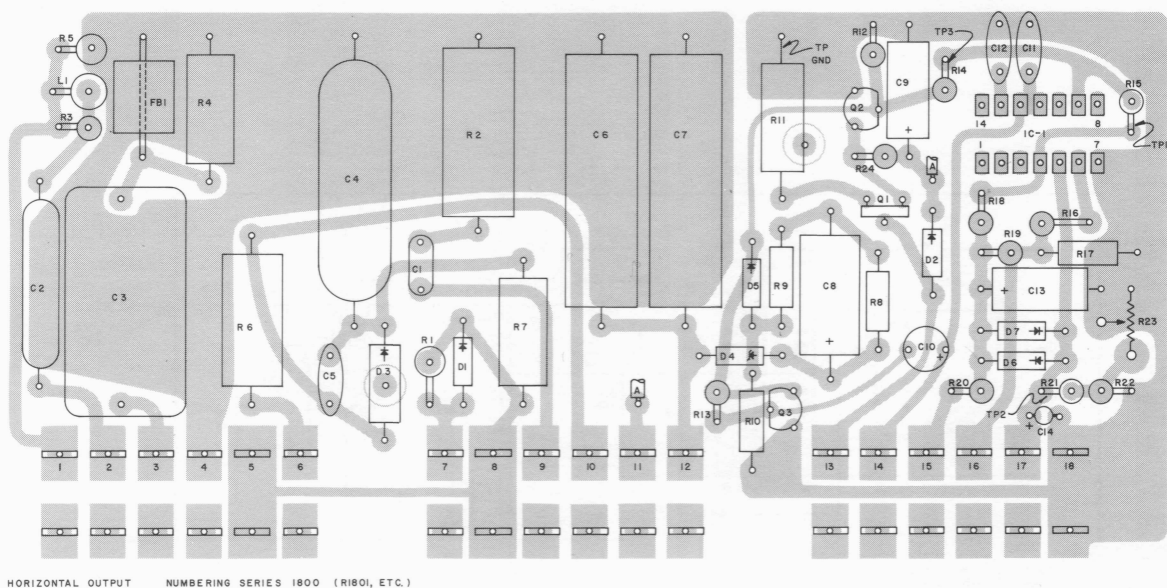
HORIZONTAL OSCILLATOR NUMBERING SERIES (700 (R170, ETC.)  
 ALL RESISTORS 1/4 WATT-10% UNLESS OTHERWISE NOTED.  
 ALL CAPACITORS IN MFD. UNLESS OTHERWISE NOTED.  
 HEAVY DASHED LINE INDICATES CIRCUIT BOARD AREA.



10-990-694 HORIZONTAL OSCILLATOR BOARD  
ASSEMBLY 1700

No.	Advent Part No.	Description
R20, R22	60-650-005	Res. 3 K 3 1/4 W. 5%, metal oxide film, Corning Style C4 or equiv.
R21	50-714-009	Trim. Pot., 25 K, upright, linear, CTS. X - 201 Series
R15	50-714-020	Trim. Pot., 50 K, upright linear
L1	60-623-042	Coil, 330 uh., Wilco #MU331, min.
C7	60-613-020	Cap. 1 MFD 16 V. P.C. Electrolytic
C17	60-613-026	Cap. 1 MFD 50 V. P.C. Electrolytic
C1	60-613-040	Cap. 1 MFD 50 V. A.X. Electrolytic
C23	60-623-286	Cap. 10 MFD 20% 25 V. Tantalum
C8	60-632-047	Cap. 3900 P.F. 63 V. 5% Polystyrene
C10	60-632-151	Cap. 56 P.F. 50 V. 10% Z5P Ceramic Disc
C12, C20	60-632-176	Cap. .01 MFD 500 V. 20% Z5V Ceramic Disc
C9, C14, C15	60-632-138	Cap. .01 MFD 50 V. 10% Z5P Ceramic Disc
C18	60-632-173	Cap. 20 P.F. 50 V. 20% Z5P Ceramic Disc
C13	60-632-183	Cap. .22 MFD $\pm$ 10%, 50 V. P.C. lead, min. dipped Tantalum, dissipation factor $\leq$ .05 at 1000 HZ. Rev. 1
C4	60-632-234	Cap. .01 MFD 100 V. 20% Z5U Ceramic Disc Sprague #C023B101F103M
C19	60-632-227	Cap. 3.3 P.F. 1 K V. 10% NPO Ceramic Disc
C6, C11, C16, C21, C22	60-633-002	Cap. .1 MFD 100 V. 10% Mylar
C2, C3	60-633-019	Cap. .0039 MFD 100 V. 10% Mylar
C5	60-633-033	Cap. .15 MFD 100 V. 10% Mylar
TR1	60-656-004	Thermistor, 50 K Fenwall #QA-45-J3
LED1	60-663-059	LED H.P. 5082-4855
D1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11	60-663-003	Diode 1N914
D8	60-663-021	Diode, 1N5256A, 30 V. Zener
D7	60-663-036	Diode, 1N5229A, Zener
SCR-1	60-663-034	SCR, Motorola #MCR 103
Q1, 2, 3, 4, 5, 6, 7, 8, 9	60-673-006	Transistor, TIS 97
Q4	60-674-003	Transistor, 2N5087
U1	60-677-012	I.C. LM 723 CN
T1	80-000-026	Horizontal Drive Transformer, Better Coil & Transformer #7216-A
	50-211-052	I.C. Socket Burndy D1LB14P-108 U.L. 94 V. - 0
L2	80-000-039	Horizontal Oscillator adjust coil, TRW #50838 (w/out can)





### 10-990-283 HORIZONTAL OUTPUT BOARD ASSEMBLY 1800

No.	Advent Part No.	Description
C1	60-632-076	.0033, 600V
C3	60-632-142	.047, 800V, Polypropylene
C4	60-632-113	.39, 600V, Paper-Mylar
C5	60-632-141	420 pf, 500V, Z5P
C6, C7	60-632-077	1.5 $\mu$ Fd, 100V, Polypropylene
C12	60-632-140	.001, 50V, Z5P
C14	60-632-090	.68, 35V, Tantalum
D1	60-663-017	1N4004
D2	60-663-010	1N4002
D3	60-663-015	RCA 40644 (or D2600 EF)
D4	60-663-031	1N5259A, 39V Zener
D5, 6, 7	60-663-003	1N914
Q1	60-673-008	TIP29
Q2, 3	60-674-003	2N5087
IC1		LM723CN or Equiv.

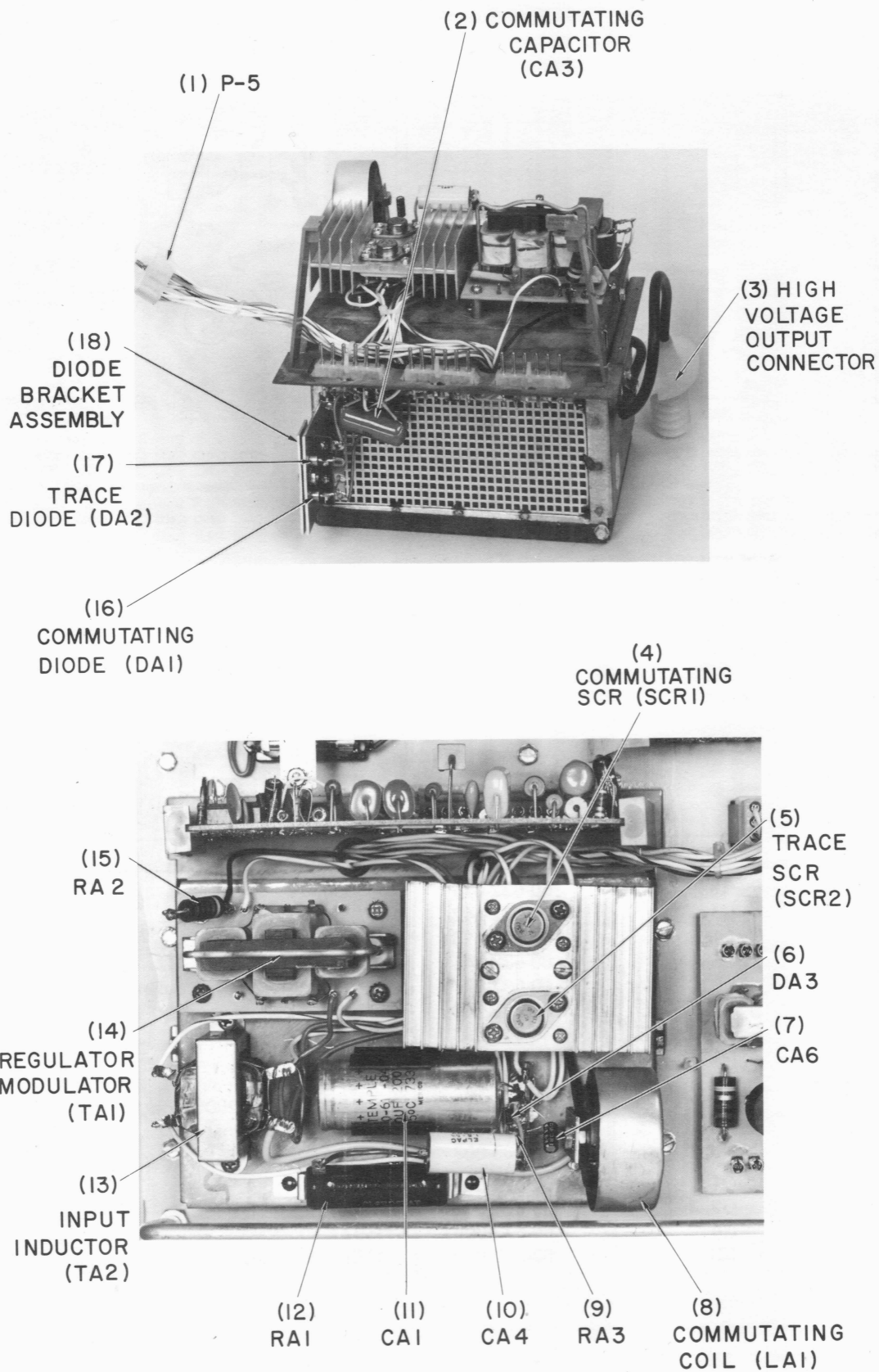
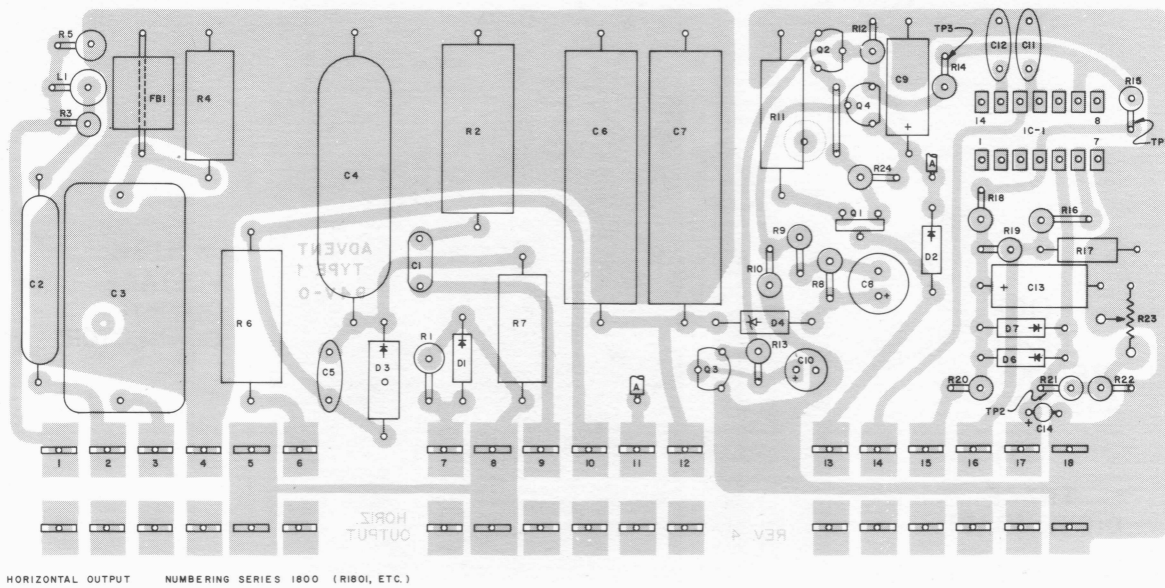


Figure 3-8. HIGH VOLTAGE CAGE AND COVER ASSEMBLY



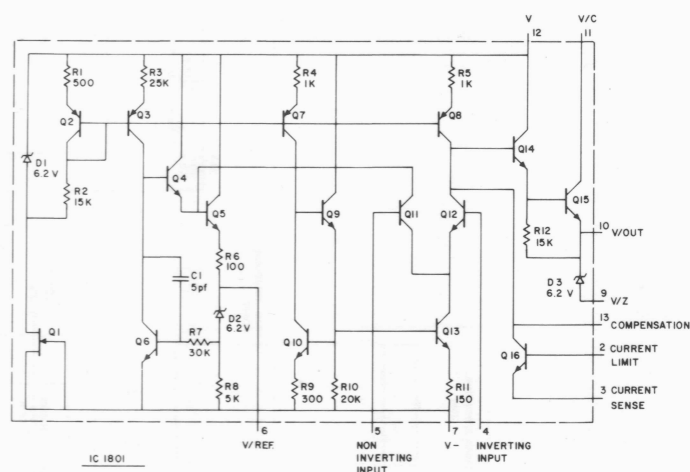
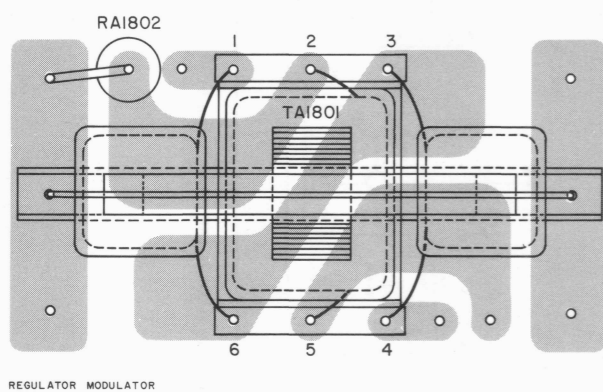
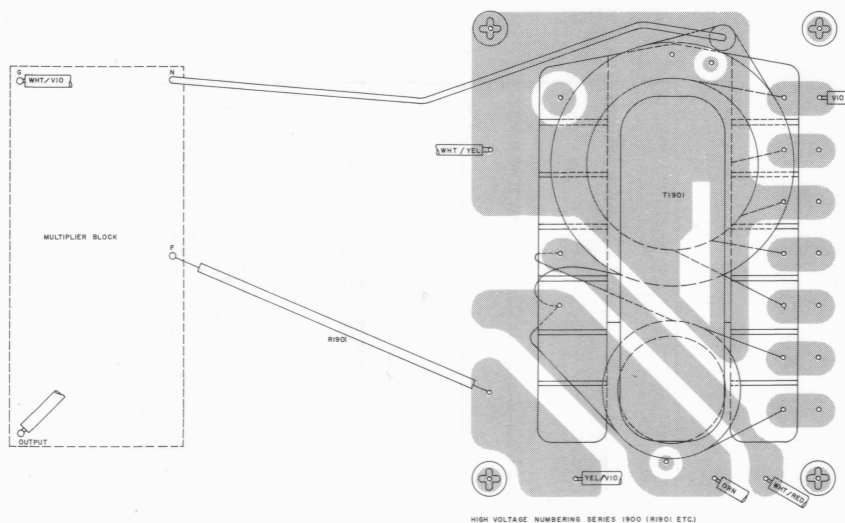
Rev 4



10-990-283 HORIZONTAL OUTPUT BOARD  
ASSEMBLY 1800

No.	Advent Part No.	Description
C1	60-632-076	.0033, 630V
C3	60-632-142	.047, 600V, Polypropylene
C4	60-632-113	.33, 600V, Paper-Mylar
C5	60-632-141	420 pf, 500V, Z5P
C6, C7	60-632-077	1.5 $\mu$ Fd, 100V, Polypropylene
C12	60-632-140	.001, 50V, Z5P
C14	60-632-090	.68, 35V, Tantalum
D1	60-663-017	1N4004
D2	60-663-010	1N4002
D3	60-663-015	RCA 40644 (or D2600 EF)
D4	60-663-031	1N5259A, 39V Zener
D6, 7	60-663-003	1N914
Q1	60-673-008	TIP29
Q2, 3	60-674-003	2N5087
Q4	60-673-006	TIS97
IC1	60-677-012	LM723CN or Equiv.





### 10-990-312 HIGH VOLTAGE CAGE AND COVER ASSEMBLY A1800 FLYBACK BOARD 1900

No.	Advent Part No.	Description
RA1901	60-643-018	100 Meg, 10 KV
CA4	60-632-077	1.5 MFD, 100V, 10%, Polypropylene
CA3	60-632-143	.068 MFD, 800V, 10%, Polypropylene
CA5	60-632-075	620 pf, 500V, 10%, Z5P
CA2	60-632-141	420 pf, 500V, 10%, Z5P
DA3	60-663-017	1N4004
DA2	60-663-037	RCA #40890 or D2103 SF
DA1	60-663-038	RCA #40891 or D2103S
LA1	20-000-001	Commutating Coil
SCR2	60-663-024	RCA #40640
SCR1	60-663-025	RCA #40641
TA2	80-000-027	Input Inductor
TA1	80-000-034	Regulator Modulator
FBA1	60-271-012	Small Ferrite Bead
A1900	10-990-155	Flyback PC Board Assy.
	10-990-166	Tripler Assy.